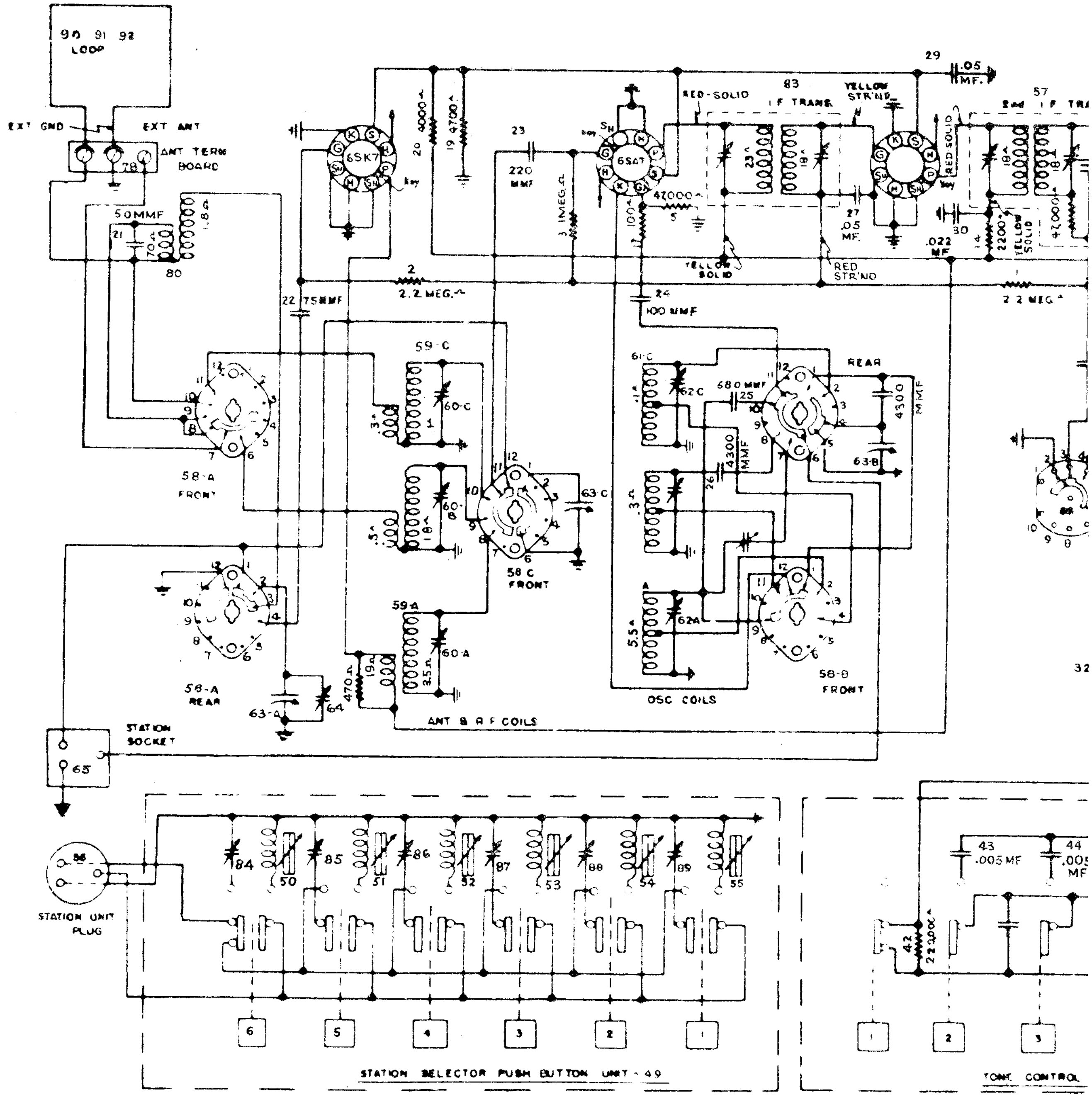
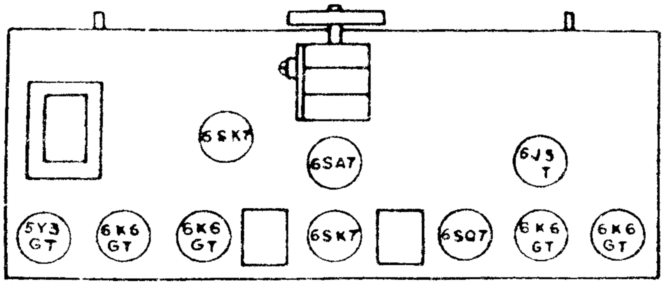
THE CROSLE



IF PEAK 455 KC

TRIMMER LOCATIONS

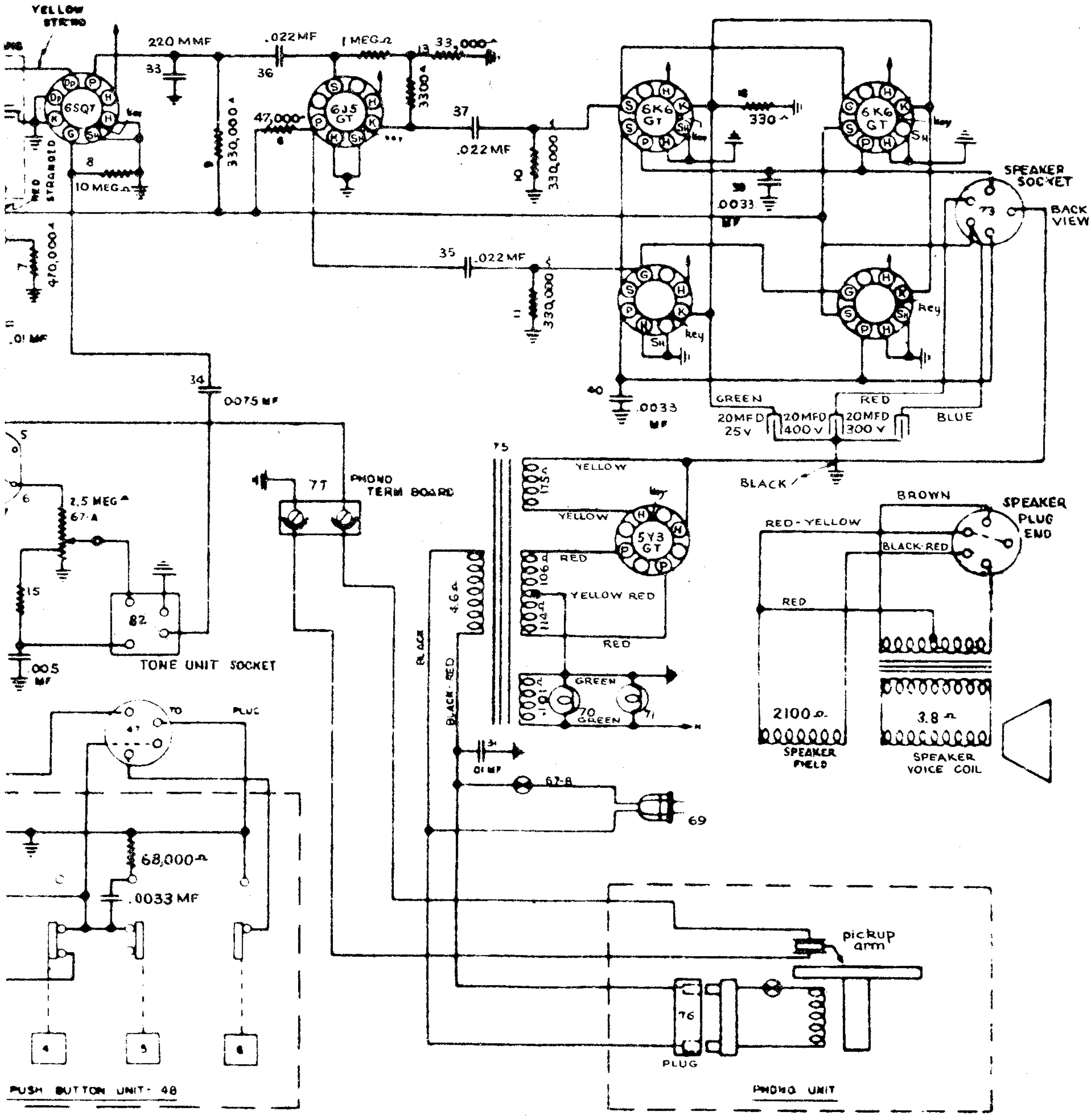


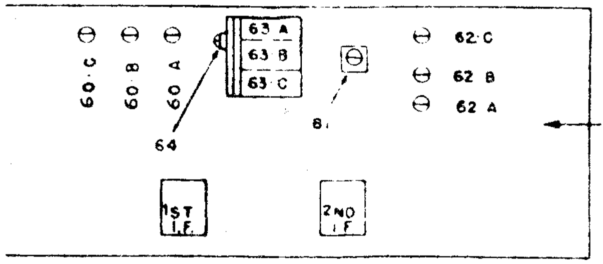
TUBE LOCATIONS

© John F. Rider, Publisher

MODELS 03CA, 03CB, 03CC,
03CP, 03CQ, 03CR.
Chassis 95

Y CORP.





60-A - BC R-F
60 B - POLICE ANT
60-C - SW ANT
62 A - BC OSC.
62 B - POLICE OSC
62 C - SW OSC
64 — BC ANT
81 — OSC PADDER BC

THE CROSLEY CORP.

MODELS 03CA, 03CB, 03CC,
03CP, 03CQ, 03CR
Chassis 95

ALIGNMENT PROCEDURE

Preliminary

Output Meter Connections....................Plate to Plate of Adjacent 6K6's
Generator Ground Connection....................To Chassis cr Ground Lead
Dummy Antenna to be in Series with Generator Output....................See Chart Below
Position of Volume Control....................Fully On
Position of Master Tone Control....................All Buttons Out

ALIGNMENT PROCEDURE CHART

	Signal Generator						
Align-ment Seq.	Dummy Antenna	Frequency Setting	Input Connection to Receiver	Band Switch	Tuning Cond. Setting	Trimmer Adjusted	Remarks
1.	.02MF.	455Kc.	Stator lug Rear section of Gang Cond.	B.C.	Fully open	2nd 1-F (2) 1st 1-F (2)	Adjust for Maximum. Adjust for Maximum.
2.	.0002MF.	1620Kc.	Antenna Terminal	B.C.	Fully open	B.C."OSC" 62A	Adjust for peak; gang does not have to tune thru signal. Loop must be connected.
3.	.0002MF.	1400Kc.	Antenna Terminal	B.C.	Approx. 140 on dial	B.C."Ant."64 B.C."R-F" 60A	Adjust for max. output. Do not touch B.C. Osc. trimmer. Adjust for maximum output.
4.	.0002MF.	600Kc.	Antenna Terminal	B.C.	Approx. 60 on dial	B.C."OSC" Series 81	Adjust for max. output while rocking gang thru signal.
5.	400 ohm (Carbon)	6.5Mc.	Antenna Terminal	Police	Fully open	Pol "OSC" 62P	Adjust for peak; gang does not have to tune thru signal. And repeat No. 3
6.	400 ohm (Carbon)	6.0Mc	Antenna Terminal	Police	Approx. 6.0	Pol "ANT." 60B	Adjust for maximum output.
8.	400 ohm (Carbon)	18.3Mc.	Antenna Terminal	S.W.	Fully open	S.W."OSC" 62C	Adjust for peak. Gang does not have to tune thru signal.
9.	400 ohm (Carbon)	18.0Mc	Antenna Terminal	S.W.	Approx. 18	S.W."ANT." 60C	Adjust for maximum output while rocking gang thru signal.
10.	Repeat the above alignment procedure for more accurate adjustments. Always keep signal generator output as low as possible to prevent action of the A. V. C. circuit.						

IMPORTANT ALIGNMENT NOTES: When aligning the shortwave bands "OSC" trimmers care must be exercised to see that the circuits are aligned on the correct frequency and not on the image which is approximately 910 kilocycles less as indicated on the Receiver dial. To check, increase generator output, tune-in the generator frequency and then tune-in the image frequency which should be weaker than the fundamental and come in approximately 910 kilocycles lower on the Receiver dial than the fundamental. If image cannot be tuned-in, the "OSC" trimmer is adjusted to the wrong peak. (Correct peak is the second peak on trimmer from the closed position).

ADJUSTING PUSH BUTTONS TO STATIONS.

1—To simplify setup carefully preset "ANT" adjusting screw by turning clockwise until moderately tight and then backing out (turning counter-clockwise) the oscillator ADJUSTING SCREWS until the threaded portion extends approximately ½ inch. DO NOT EXERT PRESSURE.

2—Turn band switch to the "American" position and carefully manually tune in the station to which the No. 1 Push Button is to be set.

3—Turn band switch to the "Automatic" position and with a small screw driver carefully turn the No. 1 push button **oscillator adjusting screw** in a clockwise direction until the station previously tuned in manually is heard again. Adjust for maximum output on speaker.

4—Adjust No. 1 Ant. adjusting screw for maximum output in speaker.

5—Repeat above procedure for remaining buttons to be set.

6—From call letter sheets supplied, carefully remove the call letters of the stations to which the buttons have been set.

7—Break celluloid into separate "V's" and insert call letter tab in "V", then slide into push button from side.

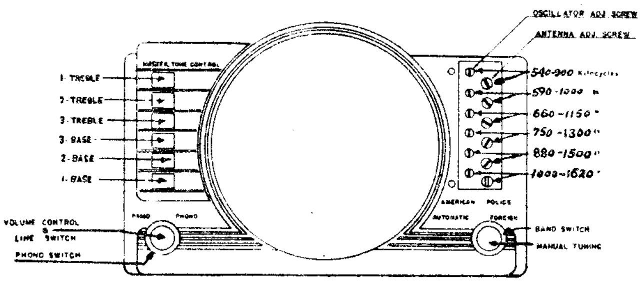


Fig. 1

TUBE VOLTAGE CHART

Socket voltages measured at 117.5 V. Line (between socket pin and chassis) with 1000 OHM PER VOLT, 500 V. RANGE VOLTMETER (D.C.)

TUBE	FUNCTION	1	2	3	4	5	6	7	8
6SK7	R. F. Amplifier	Gnd	Gnd	Gnd	0	Gnd	80	6.3 A.C.	175
6SA7	Converter	Gnd	Gnd	175	80	Neg	0	6.3 A.C.	0
6SK7	1.F Amplifier	Gnd	Gnd	Gnd	0	Gnd	80	6.3 A.C.	175
6SQ7	Det. A. V. C. 1st A. F.	Gnd	0	Gnd	Gnd	0	67	6.3 A.C.	Gnd
6J5GT	Phase Inverter	Gnd	Gnd	125	..	0	..	6.3 A.C.	Gnd
6K6GT	(4) P. P. Parallel Output	Gnd	Gnd	295	175	0	...	6.3 A.C.	...
5Y3G	Rectifier	N.C.	300	...	A.C.	...	A.C.	......	300

Max. Power Output.....12.0 Watts Power Consumption....90 Watts Drop Across Speaker Field......125 Volts
Voltages may vary 10% of values given.

©John F. Rider